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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/788,489
Filing Date	March 1, 2004
First Named Inventor	Serge CARILLO
Art Unit	1633
Examiner Name	Scott LONG
Attorney Docket Number	ST94037BUS/80375.0033

Sheet 1 of 5

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,788,219	11/29/1988	Sakurai et al.	
		US- 5,496,731	03/05/1996	Xu, et al.	
		US- 5,629,165	05/1997	Nixon, et al.	
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FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO/92/21373	12/1992	Logothetou-Rella		
		EP 159 678	10/39/1985	Sakurai et al.		
		EP 395 309	10/31/1990	Asada et al.		
		WO93/02106	02/04/1993	Nixon, et al.		
		EP 569 122	11/10/1993	Omura, et al.		
		EP 580 161	01/26/1994	Saito, et al.		

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		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
		WO 94/21817	09/29/1994	Henkart, et al.		
		WO 00/21575	04/20/2000	Atencio		

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NON PATENT LITERATURE DOCUMENTS			
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		Y. EMORI et al. All Four Repeating Domains of the Endogenous Inhibitor for Calcium-dependent Protease Independently Retain Inhibitory Activity, J. Biol Chem 263:2364-2370;1988	
		H. WITSCHI et al. "Modulation of lung tumor development in mice with the soybean-derived Bowman-Birk protease inhibitor, Carcinogenesis 10:2275-2277 (1989)	
		W. TROLLI et al. "Protease Inhibitors as Anticarcinogens, JNCI 73 (6):1245-1250	
		M. OHKOSHI (1980) Gann 71: 246-250	
		CARILLO et al., "Differential sensitivity of FOS and JUN family members to calpains", Oncogene 9, 1679-1689 (1994)	
		LEVRERO et al., "Defective and Nondefective Adenovirus Vectors for Expression Foreign Genes in Vitro and In Vivo", Gene, 101, 195-202, (1991)	
		MAKI et al., "Inhibition of Calpain by a Synthestic Oligopeptide Corresponding to an Exon of the Human Calpastain Gene" Journal of Biol. Chemistry, 254, (32), 18866-18869 1989	
		OHKOSHI, "Effect of Aprotinin On Growth of 3-Methylcholanthrene-Induced Squamous Cell Carcinoma in Mice", Gann 71: 246-250 (1980)	
		ORKIN, et al., "Report & Recommendations of the Panel to Assess The NIH Investment In Research On Gene Therapy", NIH, 1-20 (12/1995)	
		DACH, et al. "Targeting gene therapy to cancer: A Review", ONCOLOGY rES., Vol. 9: 313-325, 1997	

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Sheet 4	of 5	Attorney Docket Number	ST94037B/80375.0033

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		VERMA et al., "Gene therapy-promises, problems and prospects", Nature, Vol. 389: 239-242 (9/1997)	
		DEONARAIN, MP., "Ligand-targeted receptor-mediated vectors for gene delivery." Exp. Opin. Ther. Patents, Vol. 8(1): 53-69 (1998).	
		ECK et al., "Gene-based therapy", Goodman & Gilman's The Pharmacological Basis of Therapeutics, McGraw-Hill Nith Edition: 77-101. (1996).	
		ASADA et al., "cDNA cloning of human calpastain; sequence homology among human, pig, and rabbit calpastatins" J. Enzym. Inhib., Vol. 3(1): 49-56 (1989)	
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		MILLER et al., "Target vectors for gene therapy", FASEB, Vol. 9: 190-199 (2/1995)	
		CRYSTAL, RG., "Transfer of Genes to Humans: Early lessons and obstacles to success", Science, Vol. 270: 404-410. (1995)	
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		ANDERSON, W. French, "Nature Medicine, Vol. 6 No. 8, page 862 (8/2000)	
		WAGENKNECHT, et al., "Proteasome Inhibitors Induces p53/p21-Independent Apoptosis in Human Giloma Cells", Cell Physiol Biochem (1999); 9:117-125	

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		AN, et al., "Protease inhibitor-induced apoptosis: accumulation of wp p53, p51 WAF1/CIP1, and induction of apoptosis are independent...", Luekemia (2000) 14:1276-1283	
		KUBBUTAT, et al., "Proteolytic Cleavage of Human p53 by Calpain: a Potential Regulator of protein Stability", Molecular and Cellular Biology, (1/1997); pgs. 46-468	
		KUBBUTAT, et al., "Keeping an old friend under control: regulation of p53 stability", Molecular Medicine Today (6/1998): pgs. 250-256	
		ATENCIO, et al., "Celpain Inhibitor 1 Activates p53-dependent Apoptosis in Tumor Cell Lines", Cell Growth & Differentiation, 5/200: Vol. 11, pgs. 247-253	
		PARIAT, et al., "Proteolysis by Calpains: a Possible Contribution to Degradation of p53", Molecular and Cellular Biology, (5/1997): Vol. 17(5): pgs. 2806-2815	
		CARAFOLI, et al., "Breakthroughs and Views Calpain: A Protease in Search of a Function?", Biochemical and Biophysical Research Communications 247:193-203 (1998)	

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